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ABSTRACT

This book contains over 30 investigations and activities that can be used or adapted for science fair projects. It outlines basic techniques and procedures that can be applied to zoological investigations. Projects and activities described include: finding out how many different kinds of insects and other arthropods live in nearby fields and forests, making a pitfall trap to collect small animals, observing a spider spinning a web in a homemade spider net frame, testing the smelling sensitivity of houseflies, making an insect aquarium, studying the daily food consumption of a gerbil, experimenting with conditioned responses in white rats, testing the response of insects to color, making casts of animal tracks, observing birds at a feeding station, comparing pond and stream samples, studying the behavior of ants, studying the response of earthworms to different light waves, studying the effect of drugs on daphnia heartbeat, studying the effect of temperature on fish respiration and frog development, and preserving and studying animal bones. (JRH)

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